Table 3-2
Calciner HAPs
Average Stack Test Results

Source	AQD #17	AQD #48		AQD #17	AQD #48	AQD #80		AQD #17	AQD #48		AQD #17	AQD #48	AQD #80
	Increase	Increase		Total	Total	Total		Increase	Increase		Total	Total	Total
Production Rate	75 TPH	38 TPH		400 TPH	200 TPH	275 TPH		75 TPH	38 TPH		400 TPH	200 TPH	275 TPH
	See Note #1			See Note #2				See Note #3			See Note #4		
Emission Rate	PPH	PPH		PPH	PPH	PPH		TPY	TPY		TPY	TPY	TPY
BENZENE	2.09	1.26		11.14	6.65	8.40		9.15	5.53		48.79	29.11	36.79
1,3 BUTADIENE	1.42	0.96		7.55	5.06	6.07		6.20	4.21		33.07	22.16	26.60
ETHYL BENZENE	0.32	0.09		1.70	0.48	0.91		1.40	0.40		7.45	2.10	4.00
2-BUTANONE	0.71	0.14		3.78	0.74	1.81		3.10	0.62		16.56	3.24	7.92
HEXANE	0.67	0.39		3.56	2.03	2.62		2.92	1.69		15.59	8.91	11.48
STYRENE	0.39	0.23		2.06	1.19	1.53		1.69	0.99		9.02	5.23	6.70
TOLUENE	1.05	0.47		5.59	2.46	3.61		4.59	2.05		24.48	10.77	15.82
XYLENE	1.44	0.60		7.66	3.18	4.82		6.29	2.65		33.55	13.93	21.11
FORMALDEHYDE	0.06	0.01		0.30	0.04	0.13		0.25	0.03		1.31	0.18	0.57
ACETALDEHYDE	0.05	0.02		0.26	0.11	0.17		0.21	0.09		1.14	0.48	0.72
PROPIONALDEHYDE	0.02	0.01		0.08	0.03	0.05		0.07	0.02		0.35	0.13	0.21
ACROLEIN	0.14	0.05		0.72	0.27	0.43		0.59	0.22		3.15	1.18	1.90
ACETONE	0.05	0.01		0.24	0.06	0.12		0.20	0.05		1.05	0.26	0.54
Acetophenone	0.0030	0.0015		0.0160	0.0080	0.0110		0.01	0.01		0.07	0.03	0.05
Biphenyl	0.0043	0.0022		0.0228	0.0114	0.0157		0.02	0.01		0.10	0.05	0.07
Bis(2-Ethylhexl)phthalate	0.0003	0.0001		0.0015	0.0008	0.0011		0.00	0.00		0.01	0.00	0.00
2-Chloroacetonphenone	0.0003	0.0001		0.0014	0.0007	0.0010		0.00	0.00		0.01	0.00	0.00
3/4=Methylphenol	0.0018	0.0009		0.0093	0.0047	0.0064		0.01	0.00		0.04	0.02	0.03
Cumene	0.0003	0.0002		0.0018	0.0009	0.0012		0.00	0.00		0.01	0.00	0.01
Dibenzofuran	0.0036	0.0018		0.0191	0.0095	0.0131		0.02	0.01		0.08	0.04	0.06
Di-n-Butylphthalate	0.0022	0.0011		0.0115	0.0058	0.0079		0.01	0.00		0.05	0.03	0.03
N,N-Dimethylaniline	0.0014	0.0007		0.0076	0.0038	0.0052		0.01	0.00		0.03	0.02	0.02
Naphthalene	0.0277	0.0140		0.1477	0.0739	0.1016		0.12	0.06		0.65	0.32	0.44
Phenol	0.0170	0.0086		0.0907	0.0453	0.0623		0.07	0.04		0.40	0.20	0.27

Average of three stack test: December 1995, July 1996, and November 1996.
Note #1: Emissions increase in PPH due to increase in production rate of calciners.
Note #2: Total emissions in PPH of the calciners following project.
Note #3: Emissions increase in TPY due to increase in production rate of calciners.
Note #4: Total emissions in TPY of the calciner following project.
* Chlorinated Compounds are suspect, see text, Section 3.1.1.1.5 for explanantion.